
Product Name: NEIL3 Rabbit Polyclonal Antibody**Catalog #: APRab14547**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
Molecular Weight	35kDa

Antigen Information

Gene Name	NEIL3
Alternative Names	NEIL3; Endonuclease 8-like 3; DNA glycosylase FPG2; DNA glycosylase/AP lyase Neil3; Endonuclease VIII-like 3; Nei-like protein 3
Gene ID	55247.0
SwissProt ID	Q8TAT5
Immunogen	The antiserum was produced against synthesized peptide derived from human NEIL3. AA range:491-540

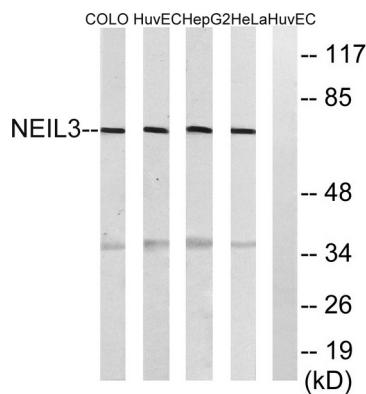
Background

NEIL3 belongs to a class of DNA glycosylases homologous to the bacterial Fpg/Nei family. These glycosylases initiate the first step in base excision repair by cleaving bases damaged by reactive oxygen species and introducing a DNA strand break via the associated lyase reaction (Bandaru et al., 2002 [PubMed 12509226]).[supplied by OMIM, Mar 2008],function:Reports about DNA glycosylase activity are contradictory. The protein lacks a proline residue at the N-terminus that is the active site residue found in the other members of the FPG family.,similarity:Belongs to the FPG family.,similarity:Contains 1 FPG-type zinc finger.,similarity:Contains 1 RanBP2-type zinc finger.,tissue specificity:Detected in thymus and testis,

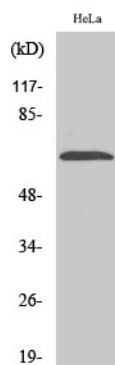
Research Area

Base excision repair;

Image Data



Western blot analysis of lysates from HeLa, HepG2, HUVEC, and COLO cells, using NEIL3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using NEIL3 Polyclonal Antibody diluted at 1:2000.